

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1098	703/2.ccor.	US-PGPUB; USPAT	OR	ON	2006/06/25 17:45
S2	70	703/5.ccor.	US-PGPUB; USPAT	OR	ON	2006/06/25 17:45
S3	367	703/13.ccor.	US-PGPUB; USPAT	OR	ON	2006/06/25 17:46
S4	595	703/14.ccor.	US-PGPUB; USPAT	OR	ON	2006/06/25 17:47
S5	5	((("5548798") or ("5615288") or ("5867416") or ("6051027") or ("6064808"))). PN.	US-PGPUB; USPAT	OR	OFF	2006/06/25 17:48
S6	5474	interaction near3 matrix	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/06/26 10:12
S7	475	S6 and decomposition	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/06/26 10:13
S8	6	S7 and sub-block	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/06/26 10:13
S9	9	S7 and sub-matrix	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/06/26 10:31
S10	1195	sparse adj matrix	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/06/26 10:31
S11	60	S10 with block	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/06/26 10:32
S12	23	S11 and decomposition	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/06/26 10:33
S13	13	S12 and @ad<="20020715"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/06/26 11:03
S14	45	S10 and pivot	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/06/26 11:04
S15	31	S14 and @ad<="20020715"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/06/26 11:04
S16	214	702/65.ccor.	US-PGPUB; USPAT	OR	ON	2006/06/26 11:06



Welcome United States Patent and Trademark Office

[Search Session History](#)

[BROWSE](#)

[SEARCH](#)

[IEEE XPLORE GUIDE](#)

[SUPPORT](#)

Mon, 26 Jun 2006, 11:40:51 AM EST

Edit an existing query or compose a new query in the Search Query Display.

Search Query Display

Select a search number (#) to:

- Add a query to the Search Query Display
- Combine search queries using AND, OR, or NOT
- Delete a search
- Run a search

Recent Search Queries

		Results
#1	(canning f.<in>au)	34
#2	(block sparse matrix) <and> (pyr >= 1951 <and> pyr <= 2002)	27
#3	((block sparse matrix<and>decomposition)) <and> (pyr >= 1951 <and> pyr <= 2002)	8
#4	((sparse matrix<and>decomposition)) <and> (pyr >= 1951 <and> pyr <= 2002)	1142
#5	((sparse matrix<and>decomposition)<and>sub-block) <and> (pyr >= 1951 <and> pyr <= 2002)	13
#6	((interaction matrix<and>decomposition)) <and> (pyr >= 1951 <and> pyr <= 2002)	85
#7	((interaction matrix<and>decomposition)<and>sub-block) <and> (pyr >= 1951 <and> pyr <= 2002)	0
#8	((interaction matrix<and>decomposition)<and>pivot) <and> (pyr >= 1951 <and> pyr <= 2002)	6



		Results
13.	((pub-date > 1959 and pub-date < 2003 and FULL-TEXT(interaction matrix)) and decomposition) and pivot [All Sources(- All Sciences -)]	6
12.	((pub-date > 1959 and pub-date < 2003 and FULL-TEXT(interaction matrix)) and decomposition) and sub matrix [All Sources(- All Sciences -)]	5
11.	((pub-date > 1959 and pub-date < 2003 and FULL-TEXT(interaction matrix)) and decomposition) and sub matrix [All Sources(- All Sciences -)]	5
10.	(pub-date > 1959 and pub-date < 2003 and FULL-TEXT(interaction matrix)) and decomposition [All Sources(- All Sciences -)]	661
9.	pub-date > 1959 and pub-date < 2003 and FULL-TEXT(interaction matrix) [All Sources(- All Sciences -)]	4999
8.	pub-date > 1959 and pub-date < 2003 and FULL-TEXT(block sparse matrix) [All Sources(- All Sciences -)]	10
7.	(((((pub-date > 1959 and pub-date < 2004 and FULL-TEXT(sparse matrix)) and decomposition) and block) and diagonal) and pivot) and direct solution [All Sources(- All Sciences -)]	30
6.	(((((pub-date > 1959 and pub-date < 2004 and FULL-TEXT(sparse matrix)) and decomposition) and block) and diagonal) and pivot [All Sources(- All Sciences -)]	115
5.	(((((pub-date > 1959 and pub-date < 2004 and FULL-TEXT(sparse matrix)) and decomposition) and block) and diagonal) and sub-block [All Sources(- All Sciences -)]	5
4.	((((pub-date > 1959 and pub-date < 2004 and FULL-TEXT(sparse matrix)) and decomposition) and block) and diagonal [All Sources(- All Sciences -)]	678
3.	((pub-date > 1959 and pub-date < 2004 and FULL-TEXT(sparse matrix)) and decomposition) and block [All Sources(- All Sciences -)]	916
2.	(pub-date > 1959 and pub-date < 2004 and FULL-TEXT(sparse matrix)) and decomposition [All Sources(- All Sciences -)]	1564
1.	pub-date > 1959 and pub-date < 2004 and FULL-TEXT(sparse matrix) [All Sources(- All Sciences -)]	4248



"block sparse matrix" decomposition sub-matrix

Search

[Advanced Scholar Search](#)
[Scholar Preferences](#)
[Scholar Help](#)

Scholar

Results 1 - 8 of 8 for "block sparse matrix" decomposition sub-matrix. (0.10 seconds)

Did you mean: "block sparse matrix" decomposition **submatrix**

[New convergence results and preconditioning strategies for the conjugate gradient method](#)

[All articles](#) [Recent articles](#)

IE Kaporin - Numer. Linear Algebra Appl, 1994 - doi.wiley.com

... Indeed, only **(block) sparse matrix**-vector multiplications, scalar products and elementary vector operations must be implemented when using the IIC- CG ...

Cited by 46 - [Web Search](#)

[High Performance Computing on Boundary Element Simulations - group of 4 »](#)

JM Cela, A Julia - Proceedings of the 8th International Conference on High- ..., 2000 - Springer

... matrix, although sometimes A could be a **block sparse matrix**. ... p+1 to N /* Update the remain **submatrix** */ for j ... parallelisation is based on a **decomposition** of the ...

Cited by 1 - [Web Search](#) - [BL Direct](#)

[A recursive partitioning algorithm for matrix inversion on parallel computers - group of 2 »](#)

R Östermark - Kybernetes, 1998 - emeraldinsight.com

... solutions by Gaussian pivoting or LU-**decomposition**, inversion by ... density of 1%. By dividing each **submatrix** of A ... out by RMI on any **block sparse matrix**, at the ...

[Web Search](#)

[Data motion and high performance computing - group of 5 »](#)

SL Johnsson - Massively Parallel Processing Using Optical Interconnections ..., 1994 - ieeeexplore.ieee.org

Page 1. Data Motion and High Performance Computing Abstract S. Lennart Johnsson

Thinking Machines Corp. and Harvard University Cambridge, MA ...

Cited by 2 - [Web Search](#)

[Iterative solvers for coupled fluid-solid scattering - group of 6 »](#)

J Mandel, MO Popa - Applied Numerical Mathematics, 2005 - www-math.cudenver.edu

[Web Search](#)

[Parallel LU factorization of sparse matrices on FPGA-based configurable computing engines - group of 5 »](#)

X Wang, SG Ziavras - Concurrency and Computation: Practice & Experience, 2004 - doi.wiley.com

... namely the bordered-diagonal-**block sparse matrix** solver for ... of linear equations with

LU **decomposition** is (n ... on the fact that independent **sub-matrix** blocks do ...

Cited by 12 - [Web Search](#) - [BL Direct](#)

[THE EFFECT OF ORDERING ON PRECONDITIONED GMRES ALGORITHM, FOR SOLVING EQUATIONS](#)

LC DUTTO - doi.wiley.com

Page 1. INTERNATIONAL JOURNAL FOR NUMERICAL MTHODS IN ENGINEERING, VOL.

36,457-497 (1993) THE EFFECT OF ORDERING ON PRECONDITIONED GMRES ALGORITHM, FOR ...

[Web Search](#)

[\[PS\] Numerical Analysis Group Progress Report January 1998-December 1999](#)

IS Du - numerical.rl.ac.uk

... 15 2.7 The use of MA27 in a domain **decomposition** context (IS Du, J. Koster ... 25 3.7

Application of a domain **decomposition** method with Lagrange multipliers ...

[View as HTML](#) - [Web Search](#) - [Library Search](#)


Did you mean to search for: "block sparse matrix" decomposition **submatrix**

"block sparse matrix" decomposition

Search

[Google Home](#) - [About Google](#) - [About Google Scholar](#)

©2006 Google




[Search](#) [Full Service](#) [Payper Limited Service](#) [Free](#) [USPS](#)

USPTO

☒ The ACM Digital Library
 ☐ The Guide

THE ACM DIGITAL LIBRARY



[Feedback](#)
[Report a problem](#)
[Satisfaction survey](#)


Published before August 2002
Terms used [block sparse matrix](#)

Found 5 of 131,846

Sort results by

Display results

 [Save results to a Binder](#)


 [Search Tips](#)




☐ Open results in a new window



Try an [Advanced Search](#)
Try this search in [The ACM Guide](#)




Results 1 - 5 of 5



Relevance scale ☐ ☐ ☐ ☐ ☐


- 

1 [Hierarchical 2-D field solution for capacitance extraction for VLSI interconnect modeling](#)
E. Aykut Dengli, Ronald A. Rohrer
June 1997
Proceedings of the 34th annual conference on Design automation DAC '97
Publisher: ACM Press
Full text available:  pdf(125.45 KB)  [Publisher Site](#)
Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)
- 

2 [Climate data assimilation on a massively parallel Supercomputer](#)
Hong Q. Ding, Robert D. Ferraro
November 1996
Proceedings of the 1996 ACM/IEEE conference on Supercomputing (CDROM) Supercomputing '96
Publisher: IEEE Computer Society
Full text available:  pdf(82.48 KB) [Additional Information: full citation, abstract, references, citations, index terms](#)
- 

3 [Multicast snooping: a new coherence method using a multicast address network](#)
E. Ender Bilir, Ross M. Dickson, Ying Hu, Manoj Plakal, Daniel J. Sorin, Mark D. Hill, David A. Wood
May 1999
ACM SIGARCH Computer Architecture News , Proceedings of the 26th annual international symposium on Computer architecture ISCA '99, Volume 27 Issue 2
Publisher: IEEE Computer Society, ACM Press
Full text available:  pdf(98.12 KB)  [Publisher Site](#)
Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)
- 

4 [Fast animation and control of nonrigid structures](#)
Andrew Witkin, William Welch
September 1990
Proceedings of the 17th annual conference on Computer graphics and interactive techniques
Publisher: ACM Press
Full text available:  pdf(2.87 MB) [Additional Information: full citation, abstract, citations](#)
- 

5 [Compiler support for hybrid irregular accesses on multicomputers](#)
Antonio Lain, Prithviraj Banerjee
January 1996
Proceedings of the 10th international conference on Supercomputing
Publisher: ACM Press
Full text available:  pdf(999.10 KB) [Additional Information: full citation, references, citations, index terms](#)

Results 1 - 5 of 5

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2006 ACM, Inc.
[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads:  [Adobe Acrobat](#)  [QuickTime](#)  [Windows Media Player](#)  [Real Player](#)



USPTO

Search:

THE ACM DIGITAL LIBRARY
















[Feedback](#) [Report a problem](#) [Satisfaction survey](#)Published before August 2002
Terms used **sparse matrix sub block decomposition**












Found 14 of 131,848

Sort results by **relevance** [Save results to a Binder](#)Try an [Advanced Search](#)Try this search in [The ACM Guide](#)Display results **condensed form** [Search Tips](#) [Open results in a new window](#)

Results 1 - 14 of 14

Relevance scale ☐ ☐ ☐ ☐ ☐

- 1  [A new approach for automatic parallelization of blocked linear Algebra computations](#)
H. T. Kung, Jaspal Subhlok
August 1991 **Proceedings of the 1991 ACM/IEEE conference on Supercomputing**
Publisher: ACM Press
Full text available:  pdf(635.37 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)
- 2 [Parallel hierarchical molecular structure estimation](#)
Cheng Che Chen, Jaswinder Pal Singh, Russ B. Altman
November 1996 **Proceedings of the 1996 ACM/IEEE conference on Supercomputing (CDROM) Supercomputing '96**
Publisher: IEEE Computer Society
Full text available:  pdf(220.53 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)
- 3 [Perfect Benchmarks™ decomposition and performance on VAX™ multiprocessors](#)
Zarka Cvetanovic, Edward G. Freedman, Charles Nofsinger
November 1990 **Proceedings of the 1990 ACM/IEEE conference on Supercomputing**
Publisher: IEEE Computer Society
Full text available:  pdf(1.03 MB) Additional Information: [full citation](#), [abstract](#), [references](#)
- 4  [Task scheduling using a block dependency DAG for block-oriented sparse Cholesky factorization](#)
Heejo Lee, Jong Kim, Sung Je Hong, Sunggu Lee
March 2000 **Proceedings of the 2000 ACM symposium on Applied computing - Volume 2**
Publisher: ACM Press
Full text available:  pdf(700.75 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)
- 5  [A new efficient waveform simulation method for RLC interconnect via amplitude and phase approximation](#)
Xiaodong Yang, Walter H. Ku, Chung-Kuan Cheng
January 2000 **Proceedings of the 2000 conference on Asia South Pacific design automation**
Publisher: ACM Press
Full text available:  pdf(167.64 KB) Additional Information: [full citation](#), [references](#)
- 6  [SPLASH: Stanford parallel applications for shared-memory](#)
Jaswinder Pal Singh, Wolf-Dietrich Weber, Anoop Gupta
March 1992 **ACM SIGARCH Computer Architecture News, Volume 20 Issue 1**
Publisher: ACM Press
Full text available:  pdf(3.04 MB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)
- 7  [A reordered Schur factorization method for zero-dimensional polynomial systems with multiple roots](#)
Robert M. Corless, Patrizia M. Gianni, Barry M. Trager
July 1997 **Proceedings of the 1997 international symposium on Symbolic and algebraic computation**
Publisher: ACM Press
Full text available:  pdf(1.05 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)
- 8  [An efficient steepest-edge simplex algorithm for SIMD computers](#)
Michael E. Thomadakis, Jyh-Charn Liu
January 1996 **Proceedings of the 10th international conference on Supercomputing**
Publisher: ACM Press
Full text available:  pdf(997.12 KB) Additional Information: [full citation](#), [references](#), [index terms](#)
- 9  [Effects of partitioning and scheduling sparse matrix factorization on communication and load balance](#)
Sesh Venugopal, Vijay K. Naik
August 1991 **Proceedings of the 1991 ACM/IEEE conference on Supercomputing**
Publisher: ACM Press
Full text available: Additional Information:

-  pdf(835.01 KB) [full citation, references, citations, index terms](#)
- 10 [Two Fast Algorithms for Sparse Matrices: Multiplication and Permuted Transposition](#) 
 Fred G. Gustavson
 September 1978 **ACM Transactions on Mathematical Software (TOMS)**, Volume 4 Issue 3
 Publisher: ACM Press
 Full text available:  pdf(1.27 MB) [Additional Information: full citation, references, citations, index terms](#)
- 11 [Proud: a fast sea-of-gates placement algorithm](#) 
 Ren-Song Tsay, Ernest S. Kuh, Chi-Ping Hsu
 June 1988 **Proceedings of the 25th ACM/IEEE conference on Design automation**
 Publisher: IEEE Computer Society Press
 Full text available:  pdf(865.37 KB) [Additional Information: full citation, abstract, references, citations, index terms](#)
- 12 [Solution of a three-body problem in quantum mechanics using sparse linear algebra on parallel computers](#) 
 Mark Baertschy, Xiaoye Li
 November 2001 **Proceedings of the 2001 ACM/IEEE conference on Supercomputing (CDROM)**
 Publisher: ACM Press
 Full text available:  pdf(688.50 KB) [Additional Information: full citation, abstract, references, citations, index terms](#)
- 13 [Adjustable block size coherent caches](#) 
 Czarek Dubnicki, Thomas J. LeBlanc
 April 1992 **ACM SIGARCH Computer Architecture News , Proceedings of the 19th annual international symposium on Computer architecture ISCA '92**, Volume 20 Issue 2
 Publisher: ACM Press
 Full text available:  pdf(1.24 MB) [Additional Information: full citation, abstract, references, citations, index terms](#)
- 14 [A fully implicit algorithm for exact state minimization](#) 
 Timothy Kam, Tiziano Villa, Robert Brayton, Alberto Sangiovanni-Vincentelli
 June 1994 **Proceedings of the 31st annual conference on Design automation**
 Publisher: ACM Press
 Full text available:  pdf(178.60 KB) [Additional Information: full citation, references, citations, index terms](#)

Results 1 - 14 of 14

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2006 ACM, Inc.
[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads:  [Adobe Acrobat](#)  [QuickTime](#)  [Windows Media Player](#)  [Real Player](#)